Two new Trendmaster® 2000 seismic transducer mounting systems

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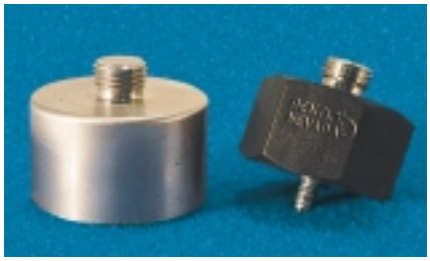
When a thorough application review has confirmed that seismic transducers provide an acceptable measurement for the machinery in question (see sidebar), the Bently Nevada Quick-Set and Mag-Force mounting systems provide alternative ways to mount seismic transducers that measure casing vibration over the 10 Hz to 2000 Hz frequency range. These new attachment methods are easier to implement than conventional stud mounting and are stronger than most adhesive mountings.

Conventional stud mounting is the preferred method from a performance standpoint, but is not always feasible due to either economic or logistical considerations.

The Quick-Set system uses a low torque, self-tapping screw that is screwed into a #26 pilot hole drilled in the machine casing. The Quick-Set has a 3/8-24 stud to attach the transducer. This approach is usually easier than drilling and tapping the machine to accept a threaded stud.

The Mag-Force system uses a powerful magnet and a durable industrial-strength adhesive. The combination of the magnet and adhesive provides a more durable installation than either one alone. Since it isn't necessary to drill a hole in the machine, the cost of approvals and documentation may also decrease.



The Mag-Force and Quick-Set mounting systems.

Compatible transducers

These mounting systems can be used with the following Bently Nevada Trendmaster 2000 transducers:

200150 Accelerometer

190520 Accelerometer

190501 Velomitor® CT

For more information, contact your nearest Bently Nevada sales professional. For a current copy of the data sheet, visit our website – www.bently.com – or check the appropriate box on the enclosed Reader Service Card.

Back To Basics

Using the right transducer for the right measurement

For years, Bently Nevada has advocated the right measurement for the task at hand. That's why we provide displacement, velocity, and acceleration transducers – because all three have a legitimate role in protecting and managing your machinery. We provide the highest quality products for each of these measurements. We continually strive to lower the total installed cost, while increasing the dependability of our products, by looking for innovative ways to install them. The new seismic products introduced in this article are good examples of this. However, we want to ensure that our products are used and applied properly. So even though we are making it less costly to install our seismic transducers, we still want to make sure our customers select and use these transducers correctly.

In particular, seismic transducers are often used to assess the condition of rolling element bearings. Depending on the machine design, however, it is not always correct to assume that significant vibration will be faithfully transmitted to the bear-